

MATERIAL SAFETY DATA SHEET

Section I:

Manufactures Name: Walling Chemical Company

Address: 2008 Westport Ave., Box 408, Sioux Falls, SD 57117-0408

Phone #: 605-336-6710

Date Prepared: August 22, 1986

Product Identity: WR - 5

Synonyms: AMP, Return Line Treatment

Section II: Hazardous Ingredients/Identity Information

Hazardous Components	OSHA PEL	ACGIH TLV	Flammability	LEL	UEL
2-Amino-2-Methyl-1-Propanol	None Established		Aqueous Solution	No Data	No Data

Other Cited Data: Cas #124-68-5. HMIS Rating Health = 3

Flammability = 2, Reactivity = 0

Comments: Will cause burns of eyes and skin.

Section III: Physical/Chemical Characteristics

Boiling Point: 100°C

Specific Gravity (H₂O = 1): .95 - .98

Vapor Pressure: 25°C / 1 (AMP)

Melting Point

pH: 13 - 14

Evaporation Rate (Butyl acetate = 1): NA

Appearance and odor: Yellow to Clear Liquid. Amine Odor

Section IV: Fire and Explosion Data

Flash Point: 182° F TCC

Extinguishing Media: Water, CO₂, Dry Chemical or Foam

Special Fire Fighting Procedures: Wear a selfcontained breathing apparatus.

Unusual Fire and Explosion Hazards: None

Section V: Reactivity Data

Stability: Stable Yes Unstable No

Conditions to avoid: Contact with Copper, Brass or Aluminum.

Incombatability: Oxidizers, Strong Acids, Copper, Brass, Aluminum

Hazardous Decomposition or By Products Carbon monoxide and dioxide.
Oxides of Nitrogen

Hazardous Polymerization: Will Occur - Will Not Occur +

Section VI: Health Hazard Data

Routes of Entry: Inhalation Yes Skin Yes Ingestion Yes

Health Hazards (Acute and Chronic) Inhalation: By heating to elevated temperatures, mist or vapor irritating to mucous membranes.

Skin or Eyes: Irritation or burns. Ingestion: Toxic - Corrosive

Carcinogenicity: NTP No IARC No

OSHA Regulated No Other No

Signs and Symptoms of Exposure: Eyes & Skin: Irritation, burning
Ingestion: Nausea, burning, vomiting. Inhalation: irritation,
dizziness, nausea.

Medical Conditions Aggravated by Exposure: None Known

Emergency and First Aid Procedures: Eyes & Skin: Immediately flood with plenty
of cool water. Seek medical attention for burns. Ingestion: Give
dilute vinegar if conscience. Call a physician. Inhalation:
Remove to fresh air.

Section VII: Precautions for Safe Handling and Use.

Steps to be taken in case material is released or spilled: Contain spill. Equip personnel
to protect against eye & skin contact and an organic vapor respiratory.
Salvage or dilute with water. Soak up on inert material and shovel into
labeled plastic drums. Hold for landfill or incineration.

Waste Disposal Method Follow federal, state and local regulations.

Precautions to be taken in handling and storing: Avoid any direct contact. If
clothes are affected, remove immediately and launder before reuse.

Other precautions: Use in a cool, well ventilated area.

Section VIII: Control Measures

Respiratory Protection: Usually not needed, except for very confined hot areas.

Ventilation: Local Exhaust Yes - Vent Fan Special _____
Mechanical (Type) Recommended Other _____

Protective Gloves Rubber Eye Protection Goggles/Glasses
Other Eye Wash

Comments: Practice good safety measures and personal hygiene when
using this product.

References Used:

Third Annual Report on Carcinogens
NTIS
Research Triangle Park, NC

Fire Hazard Properties of Flammable Liquids, Gases, and Volatile Solids (1984)
NFPA
Batterymarch Park, Quincy, MA 02269

OSHA Safety and Health Standards
(29 CFR 1910) OSHA 2206
U.S. Dept. of Labor
Washington, D.C. 20402

Threshold Limit Values and Biological Exposure Indices For 1985-86
ACGIH, Cincinnati, OH 45211